

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/138,091DATE: 08/27/98
TIME: 15:44:04

Input Set: I138091.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Adams, Camellia W.
2 Fendly, Brian M.
3 Carter, Paul J.
4 Gurney, Austin L.
5 <120> TITLE OF INVENTION: Agonist Antibodies
6 <130> FILE REFERENCE: P0979R1
7 <140> CURRENT APPLICATION NUMBER: US/09/138,091
8 <141> CURRENT FILING DATE: 1998-08-21
9 <150> EARLIER APPLICATION NUMBER: US 60/056,736
10 <151> EARLIER FILING DATE: 1997-08-22
11 <160> NUMBER OF SEQ ID NOS: 71
12 <210> SEQ ID NO 1
13 <211> LENGTH: 15
14 <212> TYPE: DNA
15 <213> ORGANISM: human
16 <400> SEQUENCE: 1
17 acc tct tgg atc ggc 15
18 Thr Ser Trp Ile Gly
19 1 5
20 <210> SEQ ID NO 2
21 <211> LENGTH: 5
22 <212> TYPE: PRT
23 <213> ORGANISM: human
24 <400> SEQUENCE: 2
25 Thr Ser Trp Ile Gly
26 1 5
27 <210> SEQ ID NO 3
28 <211> LENGTH: 66
29 <212> TYPE: DNA
30 <213> ORGANISM: human
31 <400> SEQUENCE: 3
32 atc atg tat cct ggg aac tct gat acc aga cac aac 36
33 Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn
34 1 5 10
35 ccg tcc ttc gaa gac cag gtc acc atg tca 66
36 Pro Ser Phe Glu Asp Gln Val Thr Met Ser
37 15 20 22
38 <210> SEQ ID NO 4
39 <211> LENGTH: 22
40 <212> TYPE: PRT
41 <213> ORGANISM: human
42 <400> SEQUENCE: 4
43 Ile Met Tyr Pro Gly Asn Ser Asp Thr Arg His Asn Pro Ser Phe
44 1 5 10 15

new format

ENTERED

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/138,091

DATE: 08/27/98

TIME: 15:44:04

Input Set: I138091.RAW

```
45      Glu Asp Gln Val Thr Met Ser
46                      20      22
47 <210> SEQ ID NO 5
48 <211> LENGTH: 30
49 <212> TYPE: DNA
50 <213> ORGANISM: human
51 <400> SEQUENCE: 5
52      gct ggg gtc gcg ggc ggt gct ttt gat ctc 30
53      Ala Gly Val Ala Gly Gly Ala Phe Asp Leu
54      1                      5                      10
55 <210> SEQ ID NO 6
56 <211> LENGTH: 10
57 <212> TYPE: PRT
58 <213> ORGANISM: human
59 <400> SEQUENCE: 6
60      Ala Gly Val Ala Gly Gly Ala Phe Asp Leu
61      1                      5                      10
62 <210> SEQ ID NO 7
63 <211> LENGTH: 42
64 <212> TYPE: DNA
65 <213> ORGANISM: human
66 <400> SEQUENCE: 7
67      act gga acc agc agt ggc gtt ggt ggt tat aac tat 36
68      Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr
69      1                      5                      10
70      gtc tcc 42
71      Val Ser
72      14
73 <210> SEQ ID NO 8
74 <211> LENGTH: 14
75 <212> TYPE: PRT
76 <213> ORGANISM: human
77 <400> SEQUENCE: 8
78      Thr Gly Thr Ser Ser Gly Val Gly Gly Tyr Asn Tyr Val Ser
79      1                      5                      10                      14
80 <210> SEQ ID NO 9
81 <211> LENGTH: 21
82 <212> TYPE: DNA
83 <213> ORGANISM: human
84 <400> SEQUENCE: 9
85      ggt aac agc aat cgg ccc tca 21
86      Gly Asn Ser Asn Arg Pro Ser
87      1                      5                      7
88 <210> SEQ ID NO 10
89 <211> LENGTH: 7
90 <212> TYPE: PRT
91 <213> ORGANISM: human
92 <400> SEQUENCE: 10
93      Gly Asn Ser Asn Arg Pro Ser
94      1                      5                      7
```

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/138,091DATE: 08/27/98
TIME: 15:44:04

Input Set: I138091.RAW

```

95 <210> SEQ ID NO 11
96 <211> LENGTH: 30
97 <212> TYPE: DNA
98 <213> ORGANISM: human
99 <400> SEQUENCE: 11
100   agc aca tat gca ccc ccc ggt att att atg 30
101   Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met
102       1             5             10
103 <210> SEQ ID NO 12
104 <211> LENGTH: 10
105 <212> TYPE: PRT
106 <213> ORGANISM: human
107 <400> SEQUENCE: 12
108   Ser Thr Tyr Ala Pro Pro Gly Ile Ile Met
109       1             5             10
110 <210> SEQ ID NO 13
111 <211> LENGTH: 15
112 <212> TYPE: DNA
113 <213> ORGANISM: human
114 <400> SEQUENCE: 13
115   gac tac tac atg agc 15
116   Asp Tyr Tyr Met Ser
117       1             5
118 <210> SEQ ID NO 14
119 <211> LENGTH: 5
120 <212> TYPE: PRT
121 <213> ORGANISM: human
122 <400> SEQUENCE: 14
123   Asp Tyr Tyr Met Ser
124       1             5
125 <210> SEQ ID NO 15
126 <211> LENGTH: 66
127 <212> TYPE: DNA
128 <213> ORGANISM: human
129 <400> SEQUENCE: 15
130   tac att agt agt agt ggt agt acc ata tac tac gca 36
131   Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala
132       1             5             10
133   gac tct gtg aag ggc cga ttc acc atc tcc 66
134   Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
135       15             20             22
136 <210> SEQ ID NO 16
137 <211> LENGTH: 22
138 <212> TYPE: PRT
139 <213> ORGANISM: human
140 <400> SEQUENCE: 16
141   Tyr Ile Ser Ser Ser Gly Ser Thr Ile Tyr Tyr Ala Asp Ser Val
142       1             5             10             15
143   Lys Gly Arg Phe Thr Ile Ser
144       20             22
```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/138,091

DATE: 08/27/98

TIME: 15:44:04

Input Set: I138091.RAW

```
145 <210> SEQ ID NO 17
146 <211> LENGTH: 27
147 <212> TYPE: DNA
148 <213> ORGANISM: human
149 <400> SEQUENCE: 17
150     tgg agt ggt gag gat gct ttt gat atc 27
151     Trp Ser Gly Glu Asp Ala Phe Asp Ile
152         1             5             9
153 <210> SEQ ID NO 18
154 <211> LENGTH: 9
155 <212> TYPE: PRT
156 <213> ORGANISM: human
157 <400> SEQUENCE: 18
158     Trp Ser Gly Glu Asp Ala Phe Asp Ile
159         1             5             9
160 <210> SEQ ID NO 19
161 <211> LENGTH: 33
162 <212> TYPE: DNA
163 <213> ORGANISM: human
164 <400> SEQUENCE: 19
165     cgg gcc agt gag ggt att tat cac tgg ttg gcc 33
166     Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala
167         1             5             10 11
168 <210> SEQ ID NO 20
169 <211> LENGTH: 11
170 <212> TYPE: PRT
171 <213> ORGANISM: human
172 <400> SEQUENCE: 20
173     Arg Ala Ser Glu Gly Ile Tyr His Trp Leu Ala
174         1             5             10 11
175 <210> SEQ ID NO 21
176 <211> LENGTH: 21
177 <212> TYPE: DNA
178 <213> ORGANISM: human
179 <400> SEQUENCE: 21
180     aag gcc tct agt tta gcc agt 21
181     Lys Ala Ser Ser Leu Ala Ser
182         1             5             7
183 <210> SEQ ID NO 22
184 <211> LENGTH: 7
185 <212> TYPE: PRT
186 <213> ORGANISM: human
187 <400> SEQUENCE: 22
188     Lys Ala Ser Ser Leu Ala Ser
189         1             5             7
190 <210> SEQ ID NO 23
191 <211> LENGTH: 27
192 <212> TYPE: DNA
193 <213> ORGANISM: human
194 <400> SEQUENCE: 23
```

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/138,091DATE: 08/27/98
TIME: 15:44:04

Input Set: I138091.RAW

```
195      caa caa tat agt aat tat ccg ctc act 27
196      Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
197          1                      5                      9
198      <210> SEQ ID NO 24
199      <211> LENGTH: 9
200      <212> TYPE: PRT
201      <213> ORGANISM: human
202      <400> SEQUENCE: 24
203      Gln Gln Tyr Ser Asn Tyr Pro Leu Thr
204          1                      5                      9
205      <210> SEQ ID NO 25
206      <211> LENGTH: 15
207      <212> TYPE: DNA
208      <213> ORGANISM: human
209      <400> SEQUENCE: 25
210      acc tac ggc atg cac 15
211      Thr Tyr Gly Met His
212          1                      5
213      <210> SEQ ID NO 26
214      <211> LENGTH: 5
215      <212> TYPE: PRT
216      <213> ORGANISM: human
217      <400> SEQUENCE: 26
218      Thr Tyr Gly Met His
219          1                      5
220      <210> SEQ ID NO 27
221      <211> LENGTH: 66
222      <212> TYPE: DNA
223      <213> ORGANISM: human
224      <400> SEQUENCE: 27
225      ggt ata tcc ttt gac gga aga agt gaa tac tat gca 36
226      Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala
227          1                      5                      10
228      gac tcc gtg aag ggc cga ttc acc atc tcc 66
229      Asp Ser Val Lys Gly Arg Phe Thr Ile Ser
230          15                      20                      22
231      <210> SEQ ID NO 28
232      <211> LENGTH: 22
233      <212> TYPE: PRT
234      <213> ORGANISM: human
235      <400> SEQUENCE: 28
236      Gly Ile Ser Phe Asp Gly Arg Ser Glu Tyr Tyr Ala Asp Ser Val
237          1                      5                      10                      15
238      Lys Gly Arg Phe Thr Ile Ser
239          20                      22
240      <210> SEQ ID NO 29
241      <211> LENGTH: 27
242      <212> TYPE: DNA
243      <213> ORGANISM: human
244      <400> SEQUENCE: 29
```

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/138,091

DATE: 08/27/98
TIME: 15:44:04

Input Set: I138091.RAW

Line ? Error/Warning

Original Text
